

APPENDIX B
Version With Markings To Show Changes Made
37 CFR 1.121(b)(iii) AND (c)(ii)

SPECIFICATION:

Paragraph at page 20, line 8 to page 20, line 16:

Signal resources 4A and 4B are for generating data streams of code channels A and B, respectively, are connected to a mobile terminal 1. Also, the mobile terminal 1 includes a receiver 12 connected to a transmission antenna 13, spreading circuits 15A and 15B for receiving data streams from the signal sources 4A and 4B, respectively, and variable gain circuits 16A and 16B disposed on the output sides of the spreading circuits 15A and 15B, respectively.

CLAIMS (with indication of amended or new):

Claim 1. (Amended) A method of adjusting transmission power in a CDMA terminal for code division multiple access communication [with] in a spread spectrum system and transmitting information using a plurality of code channels, said method comprising the steps of:

generating base band signals [by] and spreading data over a plurality of [every] code [channel] channels, said data comprising in-phase components and orthogonal components of said base band signals;

adjusting the levels of said in-phase components and said orthogonal components [base band signals] for each of the plurality of [every] code [channel] channels;

adding said in-phase components and said orthogonal components [adjusted base band signals] over said plurality of code channels;

modulating [based on a] the [signal] signals after addition to generate a high frequency signal;

adjusting a level of said high frequency signal; and

sending said adjusted high frequency signal [to the other station].

Claim 2. (Amended) A method of adjusting transmission power in a CDMA terminal according to claim 1, wherein an adjustment in quantity of levels of said in-phase components and said orthogonal components [base band signals every code channel] and an adjustment in quantity of a level of said high frequency signal are determined based on a control signal from [said] an other station.

Claim 3. (Amended) A method of adjusting transmission power in a CDMA terminal according to claim 2, wherein levels of said [base band signals] in-phase components and said orthogonal components are not changed and only a level of said high frequency signal is changed when said control signal is for increasing or decreasing the levels by a constant [in] quantity common to each of said code channels.

Claim 4. (Amended) A method of adjusting transmission power in a CDMA terminal according to claim 1, wherein said step of adjusting [a] the level of aid high frequency signal comprises [a step of] adjusting [an] a total average level of transmission signals of said code channels and [said step of] adjusting the levels of said in-phase

components and said orthogonal components [base band signals] for every code channel comprises [a step of] adjusting a different of levels between said code channels.

Claim 5. (Amended) A method of adjusting transmission power in a CDMA terminal according to claim 1, further comprising a step of determining a level difference [of] between said [base band signals] in-phase components and said orthogonal components and [between] the code channels in accordance with characteristic of [a] data to be transmitted to each code channel, [and] wherein [a] the level for each code channel is adjusted in accordance with said determined level difference.

Claim 6. (Amended) A method of adjusting transmission power in a CDMA terminal according to claim 1 [or 2], wherein an adjustment of levels said [base band signals] in-phase components and said orthogonal components is not conducted for [specific] one specific code channel.

Claim 7. (Amended) A method of adjusting transmission power in a CDMA terminal according to claim 1, wherein said CDMA terminal is a mobile station in a mobile communication system, and said other station is a base station [in said mobile communication system].

Claim 8. (Amended) A method of adjusting transmission power in a CDMA terminal according to claim 1, wherein said spread spectrum system is a direct sequence system.

Claim 9. (Amended) An apparatus for adjusting transmission power in a CDMA terminal for code division multiple access communication [with] in a spread spectrum system [and] transmitting information using a plurality of code channels, comprising:

a plurality of spreading means [disposed] for each code channel[, said spreading means] for spreading data;

a plurality of first variable gain control means disposed for said each code channel[, said first variable gain control means] for adjusting levels of output signals from said spreading means;

an adder for adding outputs from each of said first variable gain control means;

a modulator for modulating [based on] an output from said adder, and outputting a high frequency signal; and

second variable gain control means for adjusting a level of said high frequency signal.

Claim 10. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 9, further comprising a transmitter for sending an output signal from said second variable gain control means to [the] an other station.

Claim 11. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 9, further comprising control means for determining a level adjustment [in quantity] in each of said first variable gain control means and said second variable gain control means based on a control signal from [said] an other station.

Claim 12. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 11, wherein a total average level of transmission signals of said code channels is adjusted by said second variable gain control means, and a difference of levels between the code channels is adjusted by said first variable gain control means.

Claim 13. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 9, further comprising;

a level setting circuit for setting a level adjustment in quantity in each of said first variable gain control means based on a required level difference between said code channels and

control means for determining a level adjustment in quantity in said second variable gain control means based on a control signal from [said] an other station.

Claim 14. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 13, wherein said required level difference is determined using [information with respect to characteristic] insert of a transmission data in said each code channel.

Claim 15. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 9, wherein said first variable gain control means is not disposed in one specific [one] code channel.

Claim 16. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 9, wherein each of said spreading circuits and each of said first variable gain control means are disposed in a digital signal processing circuit section, and said second variable gain control means is constructed as a high frequency analog circuit.

Claim 17. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 9, wherein said CDMA terminal is a mobile station in a mobile communication system, and [said] an other station is a base station in said mobile communication system.

Claim 18. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 9, wherein said spread spectrum system is direct sequence system.

Claim 19. An apparatus for adjusting transmission power in a mobile station for code division multiple access communication [with] using direct sequence system of spread spectrum system and transmitting information using a plurality of code channels, comprising:

a plurality of first variable gain control means disposed for said each code channel[, said spreading means] for spreading data;

a plurality of first variable gain control means disposed for said each code channel[, said first variable gain control means] for adjusting levels of output signals from said spreading means;



a adder for adding outputs from each of said first variable gain control means;

a modulator for modulating [based on] an output from said adder, and outputting a high frequency signal;

a second variable gain control means for adjusting a level of said high frequency signal;

a transmitter for sending an output signal from said second variable gain control means to[the] a base station [the other station]; and

control means for determining a level adjustment [in quantity] in each of said first variable gain control means and said second variable gain control means based on a control signal from said [other] base station.

Claim 20. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 19, wherein a total average level of transmission signals of said code channels is adjusted by said second variable gain control means, and a difference of levels between the code channels is adjusted by said first variable gain control means.

Claim 21. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 19, further comprising;

A level setting circuit for setting a level adjustment [in quantity] in each of said first variable gain control means based on a required level difference between said code channels and

Control means for determining a level adjustment [in quantity] in said second variable gain control means based on a control signal from said other station.

Claim 22. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 19, wherein said required level difference is determined using information with respect to characteristic of a transmission data in each of [each] code [channel] channels.

Claim 23. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 19, wherein said first variable gain control means is not disposed in [specific] one specific code channel.

Claim 24. (Amended) [An] The apparatus for adjusting transmission power in a CDMA terminal according to claim 19, wherein each of said spreading circuits and each of said first variable gain control means are disposed in a digital signal processing circuit section, and said second variable gain control means is [constructed as] a high frequency analog circuit.

Claim 25. (Amended) A method of adjusting transmission power in a CDMA terminal according to claim 2, wherein an adjustment of levels said base band signals is not conducted for [specific] one specific code channel.